

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE.

**In re Application of:
Dearnaley, et al**

Group Art Unit: 1745

Serial No.: 09/509.849

Examiner: Maples, John S

Filed: September 18, 2000

3

**For: Catalytic Coatings and Fuel
Cell Electrodes and Membrane
Electrode Assemblies Made
Therefrom**

Atty Docket: GORE/MI/192A/US

**PRELIMINARY AMENDMENT AFTER RESPONSE
TO RESTRICTION REQUIREMENT**

Please cancel claims 114-147 and add the following new claims. The new claims are added in response to the restriction requirement to ensure a full set of claims to the elected invention. The new claims do not narrow the scope of the previous claims.

178. (New) A fuel cell electrode comprising a support comprising a deposit disposed thereon, said deposit comprising a catalytically effective load of an electrocatalyst comprising an electrocatalytic active area at least in part comprising rod-shaped structures of said electrocatalyst.

179. (New) The fuel cell electrode of claim 178 wherein said rod-like structures are visible at a magnification of at least about x10k.

180. (New) The fuel cell electrode of claim 178 wherein said deposit further comprises particles of said electrocatalyst comprising an outer surface, wherein said electrocatalytic active area comprises a majority of said outer surface of said particles.

A 181. (New) The fuel cell electrode of claim 1 wherein said deposit further comprises particles of said electrocatalyst comprising an outer surface, wherein said electrocatalytic active area comprises a majority of said outer surface of said particles.

5 182. (New) The fuel cell electrode of claim 178 wherein said electrocatalyst comprises a metal selected from the group consisting of Ti, Zr, Hf, V, Nb, Ta, Cr, Mo, W, Mn, Tc, Re, Fe, Ru, Os, Co, Rh, Ir, Ni, Pd, Pt, Ni, Pd, Pt, Cu, Ag, and Au.

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